

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ENHANCEMENT OF MAGNETIZATION SWITCHING SPEED IN SOFT FERROMAGNETIC FILMS THROUGH CONTROL OF EDGE STRESS ANISOTROPY

the specification of which (check one)

X is attached hereto.  
\_\_\_\_\_ was filed on \_\_\_\_\_  
as Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
<u>None</u>	_____	_____	<u>Yes</u>	<u>No</u>
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>None</u>	_____	_____
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the

United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Paik Saber (#37,494)  
Randall J. Bluestone (#40,518)  
Ron Feece (#46,327)  
William D. Gill (#44,124)  
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Full name of sole or first joint-inventor: Vladimir Nikitin

Inventor's signature:

*Vladimir Nikitin* Date: 11-16-01

Residence: 1589 Silacci Drive, Campbell, CA 95008

Citizenship: USA

Post Office Address: Same

Full name of second joint-inventor: Jeffrey Gregory McCord

Inventor's signature:

*Jeffrey McCord* Date: 11-19-01

Residence: 6162 Oneida Drive, San Jose, CA 95123


Citizenship: USA

Post Office Address: Same

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Full name of third joint-inventor: Murali Ramasubramanian

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Inventor's signature: 

Date: 11/19/2001

Residence: 6034 Chesbro Avenue, San Jose CA 95123

Citizenship: USA

Post Office Address: Same

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Full name of fourth joint-inventor:

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Inventor's signature:

Date:

Residence:

Citizenship:

Post Office Address: Same

---

Full name of fifth joint-inventor:

---

Inventor's signature:

Date:

Residence:

Citizenship:

Post Office Address: Same



MARCH 22, 2002

PTAS

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Washington, DC 20231  
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\*101964089A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

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NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NIKITIN, VLADIMIR

DOC DATE: 11/16/2001

ASSIGNOR:

MCCORD, JEFFREY G.

DOC DATE: 11/19/2001

ASSIGNOR:

RAMASUBRAMANIAN, MURALI

DOC DATE: 11/19/2001

ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES  
CORPORATION  
NEW ORCHARD ROAD  
ARMONK, NEW YORK 10504

SERIAL NUMBER: 10044513  
PATENT NUMBER:

FILING DATE: 01/11/2002  
ISSUE DATE:

012504/0544 PAGE 2

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

01-29-2002



101964089

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Vladimir Nikitin, Jeffrey G. McCord and  
Murali Ramasubramanian  
Additional name(s) of conveying party(ies) attached?  
☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: International Business Machines Corp.

Internal Address: \_\_\_\_\_

Street Address: New Orchard Road

City: Armonk State: NY Zip: 10504

Country: USA

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other - \_\_\_\_\_

Execution Date: 11/16/01 and 11/19/01

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom  
correspondence concerning document should be  
mailed:

Name: Walter W. Duft

Internal Address: Same as below

Street Address: 10255 Main Street, Suite 10

City: Clarence State: New York Zip: 14031

6. Total number of applications and patents  
involved: 1

7. Total fee (37 C.F.R. 3.41).....\$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit  
account

8. Deposit account number:

09-0466

(Attached duplicate copy of this page if paying by deposit  
account)

01/29/2002 00HMD1 00000129 090466 10044513

01 FEB 2002 40.00 CH

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached  
copy is a true copy  
of the original document.

Walter W. Duft

Name of Person Signing

Signature

January 11, 2002

Date

Total number of pages including cover sheet, attachments, and document: 3

Whereas, we

INVENTOR  
AND CITY

(1) Vladimir Nikitin  
County of Santa Clara  
(2) Jeffrey Gregory McCord  
County of Santa Clara  
and  
(3) Murali Ramasubramanian  
County of Santa Clara

of Campbell,  
and State of California,  
of San Jose,  
and State of California,  
of San Jose,  
and State of California,

have invented certain improvements in

**ENHANCEMENT OF MAGNETIZATION SWITCHING SPEED IN SOFT FERROMAGNETIC FILMS  
THROUGH CONTROL OF EDGE STRESS ANISOTROPY**

DATES THAT and executed, respectively, a United States patent application therefor on  
INVENTORS  
SIGNED THE (1) Nov 16, 2001, (2) Nov 19, 2001,  
APPLICATION (3) Nov 19, 2001,

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed

CITY

(1) at

San Jose

Vladimir Nikitin

SIGNATURE  
INVENTOR

DATE

on

11-16-

, 2001,

CITY

and (2) at

San Jose

Jeffrey McCord


SIGNATURE  
INVENTOR

DATE

on

11-19-

, 2001,

CITY and (3) at San Jose  SIGNATURE  
DATE on 11 - 19 -, 2001, INVENTOR